

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10580924
	Filing Date		2006-05-30
	First Named Inventor	J. GAO	
	Art Unit	3744	
	Examiner Name		
	Attorney Docket Number	ISHI 20.953	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	3205668		1965-09-14	GIFFORD	Cited on p.1 of the specification
	2	3620029		1971-11-16	LONGSWORTH	Cited on p.1 of the specification
	3	3625015		1971-12-17	CHELLIS	Cited on p.1 of the specification
	4	3237421		1996-03-01	GIFFORD	Cited on p.1 of the specification
	5	4987743		1991-01-29	LOBB	Cited on p.2 of the specification
	6	6256998		2001-07-10	GAO	Cited on p.2 of the specification
	7	4430863		1984-02-14	LONGSWORTH	Cited on p.3 of the specification
	8	5361588		1994-11-08	ASAMI	Cited on p.3 of the specification
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**U.S. PATENT APPLICATION PUBLICATIONS**

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	WO97/08868	WO		1997-03-06	QUINTET INC.		<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	E. I. MIKULIN et al., "Low temperature expansion pulse tubes", Advances in Cryogenic Engineering, Vol. 29, 1984, p. 629-637	<input type="checkbox"/>
	2	S. ZHU et al., "Double inlet pulse tube refrigerators: an important improvement", Cryogenics vol. 30, 1990, p. 514-520	<input type="checkbox"/>
	3	Y. MATSUBARA, "An experimental and analytical investigation of 4 K pulse tube refrigerator", Proceedings of the 7th International Cryocooler Conference, Air Force Report PL-CP-93-1001, 1993, p. 166-186	<input type="checkbox"/>
	4	S.W. ZHU et al., "Active-buffer pulse tube refrigerator", Proceedings of the 16th Cryogenic Engineering Conference, 1996, p. 291-294	<input type="checkbox"/>

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5	J. HUAN et al., "A single stage five valve pulse tube refrigerator reaching 32 K", Advances in Cryogenic Engineering, Vol. 43, Plenum Press, New York, 1998, p. 1983-1989	<input type="checkbox"/>
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**EXAMINER SIGNATURE**

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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- ☒ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Martha M. Rumore/	Date (YYYY-MM-DD)	2007-05-24
Name/Print	Martha M. Rumore, Pharm. D.	Registration Number	47,046

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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